

Project Name: _____

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Policy Group III - Coastal Industries

DHEC OCRM's Coastal Zone Consistency (CZC) certification review of all activities within the Coastal Zone that require a State permit will be based on the policies contained within the project based checklists. For the CZC request to be complete, you must answer the questions contained within the policies segment relative to your project by checking off all that apply. More than one checklist may apply to your project based on the plan proposal. For example, a road or highway project might also require dredging and filling of coastal wetlands.

A. Agriculture:

Required: Will your proposed agriculture operation project or plans...

a) avoid impacts to productive tidal salt, brackish and freshwater wetlands by filling or other permanent alteration, including ditching for drainage from uplands? or is this N/A?
b) (for filling, ditching, clearing, or excavation of wetlands) demonstrate mitigation sites or practices to offset the losses of wetlands consistent with DHEC OCRM Mitigation Guidelines? The types of mitigation include wetland buffers, creation of wetlands, and restoration of existing wetlands, offsite mitigation, and mitigation banking. Provide a summary of mitigation details on an attached document. or is this N/A?
c) minimize negative impacts to water quality from sedimentation and erosion utilizing conservation techniques, including: i. methods or techniques such as contouring to reduce direct surface water runoff in to adjacent wetlands or water bodies; ii. maintenance and utilization of the natural drainage pattern of the land is encouraged as much as possible; iii. use of buffer strips of natural vegetation along the edge between watercourses and cultivated soils is encouraged; or is this N/A?
d) include best management practices (and any resultant regulations) designed to control nonpoint source runoff developed as part of the 208 Water Quality Planning process through the local Council of Governments? or is this N/A?
e) be consistent with the Priority of Uses of each listed Geographic Areas of Particular Concern (GAPCs) as discussed in the Geographic Areas of Particular Concern (GAPCs) Policies and Priority of Uses document located on the Resources section of the CZC webpage? or is this N/A?

Recommended policies to be considered for agriculture projects in the Coastal Zone:

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- a. *Encouraging the utilization of detailed soil surveys prepared by the appropriate Federal and State Agencies whose responsibility is soil conservation;*
- b. *That local land use plans considerations for protecting agricultural lands from premature or undesirable conversion into other development activities;*
- c. *Encouraging the full implementation existing laws by local governments within the coastal zone to allow property tax incentives to protect farmlands from conversion to other uses;*
- d. *That the soil testing facilities at Clemson Extension be utilized to determine the correct types and amounts of fertilizers to be applied to agricultural lands.*

As applicant or agent, having completed all appropriate checklists and having read the applicable polices, I certify that this project is consistent with the South Carolina Coastal Zone Management Program based on the information outlined above and supplemental information attached.

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B. Forestry

Required: Will your proposed forestry operation project or plans...

a) encourage good forest management practices in order to maintain a supply of good quality timber into the future while protecting other forest values? or is this N/A?
b) avoid the disruption of salt, brackish or freshwater marshes for drainage or access ways where no feasible alternatives exist or provide mitigation measures as identified in the policies for each related activity? Explain the feasible alternatives that will be implemented in the summary section below. or is this N/A?
c) encourage erosion control methods for all phases of timber operations in order to reduce excessive erosion and sedimentation and avoid disruption to hydrologic cycles? or is this N/A?
d) include any onsite processing of timber products consistent with the Manufacturing Policies contained in Chapter IV of the CZMP? or is this N/A?
e) be consistent with the Priority of Uses of each listed Geographic Areas of Particular Concern (GAPCs) as discussed in the Geographic Areas of Particular Concern (GAPCs) Policies and Priority of Uses document located on the Resources section of the CZC webpage? or is this N/A?

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Recommended policies to be considered for forestry project in the Coastal Zone:

- a. Timber harvesting should be carried out in such a manner as to minimize effects on and protect soils, watersheds, aesthetics, wildlife, and recreational values. If damage does occur, restoration plans should be developed and carried out within a reasonable time;*
- b. Local land use plans should include retaining prime forest areas for sustained timber productivity in the future.*

Required:

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C. Mineral Extraction (Mining)

Required: Will your mining activity project or plans...

a) require applicants for mining permits must submit an approved reclamation plan as required by DHEC BLWM under the S.C. Mining Act? or is this N/A?
b. exclude dredge or strip mining operations in wetland areas unless no feasible alternatives exist and the benefits of mining outweigh the adverse impacts and is consistent with the Dredging Policies contained in Chapter VIII of the CZMP? or is this N/A?
c. prevent direct stormwater discharge from upland sites into adjacent wetlands or water bodies to minimize negative impacts on water quality that includes the use of vegetated buffer areas, silt curtains or other erosion or sedimentation control methods? or is this N/A?
d. be consistent with the Priority of Uses of each listed Geographic Areas of Particular Concern (GAPCs) as discussed in the Geographic Areas of Particular Concern (GAPCs) Policies and Priority of Uses document located on the Resources section of the CZC webpage? or is this N/A?

Recommended policies to be considered for mineral extraction project in the Coastal Zone:

- a. Provision of scenic buffer areas around active mining sites;*
- b. That study of mineral resources be made before land is committed to development, and those areas found to contain significant mining resources be identified in local land use plans.*

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D. Manufacturing

Required: Will your manufacturing activity project or plans...

<p>a. require the facility to be located on the waterfront based on an activity that would benefit from being located on shorefront areas unless there are no feasible alternatives?</p> <p>or is this N/A?</p>
<p>b. exclude the filling or other permanent alteration of productive fresh, brackish and saltwater wetland areas unless no feasible alternatives exist and any substantial environmental impact can be minimized?</p> <p>or is this N/A?</p>
<p>c. be consistent with the Priority of Uses of each listed Geographic Areas of Particular Concern (GAPCs) as discussed in the Geographic Areas of Particular Concern (GAPCs) Policies and Priority of Uses document located on the Resources section of the CZC webpage?</p> <p>or is this N/A?</p>
<p>d. (for filling, ditching, clearing, or excavation of wetlands) demonstrate mitigation sites or practices to offset the losses of wetlands consistent with DHEC OCRM Mitigation Guidelines? The types of mitigation include wetland buffers, creation of wetlands, and restoration of existing wetlands, offsite mitigation, and mitigation banking. Provide a summary of mitigation details on an attached document.</p> <p>or is this N/A?</p>
<p>e. reduce erosion and sedimentation and limit the impacts from direct stormwater discharge into adjacent water bodies and wetlands by designing manufacturing operations away from sensitive areas by demonstrating the following means of reducing these problems and use of these methods where appropriate:</p> <ul style="list-style-type: none">i. provide a buffer of natural vegetation between the facility and any wetland by utilizing a sufficient visual screen, a noise buffer, a purification system for stormwater runoff, or a protective area for more ecologically sensitive shoreline areas, especially fringing wetlands;ii. control stormwater runoff, soil erosion, and accidental placement of sediments in wetland areas during site preparation;iii. employ the use of permeable surfaces in parking lots and bulk storage areas to provide water recharge areas and minimize the effects of stormwater runoff;iv. retain open space or natural (undisturbed) areas around manufacturing sites as buffer zones and recharge areas? <p>or is this N/A?</p>

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- f. avoid or minimize the disruption of wetlands by locating the industrial facility where waste discharges present the least ecological threat particularly in areas with good tidal flushing and water circulation and along watercourses with relatively low water quality classifications? (The goal is to meet applicable water quality and effluent limitation standards of the EPA and DHEC, under the National Pollution Discharge Elimination System (NPDES), Sections 401 and 402 of the Federal Water Pollution Control Act (PCA) Amendments.)

or is this N/A?

- g. meets applicable State and Federal air pollution standards and controls, as based on the National Clean Air Act, as amended?

or is this N/A?

- h. consider groundwater resources utilization either in the processing or effluent discharge stages of the production process by:

- i. meeting existing standards and/or management programs of DHEC's BOW;
- ii. prevent saltwater intrusion and land subsidence, to the extent feasible;
- iii. provide natural vegetated areas on the site where aquifer recharge can occur to mitigate the impacts of groundwater withdrawals, where feasible?

or is this N/A?

- i. meet applicable flood plain management and construction requirements based on the Federal Flood Insurance Program when located in flood zone areas?

or is this N/A?

- j. be designed so that the facility is located on maintained channels (to the maximum extent feasible) to reduce the need for dredging of new channels for new water-dependent industries?

or is this N/A?

- k. include docks or piers and berthing facilities associated with the manufacturing activity that minimize possible negative impacts?

or is this N/A?

Recommended policies to be considered for manufacturing projects in the Coastal Zone:

- a. Siting of industrial plants where they are served by existing transportation infrastructure, i.e. roads and highways, rail, ports and airports;*
- b. Development of local plans which direct manufacturing growth into areas committed to industrial use where services can be most readily provided;*
- c. Development of local plans which encourage comprehensive-type industrial parks, to facilitate well planned, well-managed manufacturing and industrial centers that promote the advantages of locating in the State;*

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- d. Encouraging manufacturing that will provide significant new employment opportunities for coastal residents;*
- e. Considerations for minimizing noise and aesthetic impacts of manufacturing activities;*
- f. Considerations for allowing limited public access to the buffer zone as a recreational area.*

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E. Fish and Seafood Processing

Required: Will your fish and seafood processing project or plans...

a.	meet applicable State and Federal water quality standards for drainage or discharge from the proposed seafood packing or processing operations? or is this N/A?
b.	comply with policies for docks/piers and dredging/filling, where applicable? or is this N/A?
c.	be consistent with the Priority of Uses of each listed Geographic Areas of Particular Concern (GAPCs) as discussed in the Geographic Areas of Particular Concern (GAPCs) Policies and Priority of Uses document located on the Resources section of the CZC webpage? or is this N/A?
d.	avoid significant adverse impacts on salt, brackish or freshwater wetlands, to the extent feasible unless no feasible alternatives exist and the public benefits outweigh the adverse impacts. Explain the feasible alternatives that will be implemented in the summary section below. or is this N/A?
e.	provide for adequate facilities for proper handling of sewage, litter and other waste products along the seafood processing docking areas? or is this N/A?
f.	comply with DHEC BOW and U.S. Coast Guard in the discharge of water used to pump out the holds of fishing vessels so that water quality is not unnecessarily degraded? or is this N/A?

Recommended policies to be considered for fish and seafood processing projects in the Coastal Zone:

- a. Consideration should be given to the utilization of fish wastes or by products for meal or fertilizers.*

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F. Aquaculture

Required: Will your aquaculture operation project or plans...

<p>a. avoid the impoundment of previously undisturbed, productive salt, brackish or freshwater wetlands for aquaculture where other feasible alternatives exist?</p> <p>or is this N/A?</p>
<p>b. demonstrate compliance with applicable State and Federal water quality standards for discharge or drainage?</p> <p>or is this N/A?</p>
<p>c. consider the value and yield which is anticipated from the project weighed against any environmental damage, such as loss of habitat from impounded areas?</p> <p>or is this N/A?</p>
<p>d. include an acceptable operations management plan?</p> <p>or is this N/A?</p>
<p>e. be consistent with the Priority of Uses of each listed Geographic Areas of Particular Concern (GAPCs) as discussed in the Geographic Areas of Particular Concern (GAPCs) Policies and Priority of Uses document located on the Resources section of the CZC webpage?</p> <p>or is this N/A?</p>

Recommended policies to be considered for aquaculture projects in the Coastal Zone:

- a. *Encouraging research efforts for "passive aquaculture" as opposed to use of artificial impoundments including:*
 - i. *fixed structure aquaculture for example, setting supports and lines. This should be limited to open water areas where they can be placed on the periphery and not interfere with navigation;*
 - ii. *tray culture for shellfish;*
 - iii. *penning areas for soft shell crabs;*
 - iv. *trap culture for fish;*
 - v. *bottom culture, to avoid navigational problems;*
 - vi. *"agrarian" approaches, such as mechanized harvesters, seed beds, and restocking.*

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